

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of : Customer Number: 20277  
Ariel BEN-PORATH, et al. : Confirmation Number: 5838  
Application No.: 09/111,454 : Group Art Unit: 2721  
Filed: July 08, 1998 : Examiner: V. Bali  
Patent No.: US 6,987,873 B1 :  
Date of Patent: January 17, 2006 :  
For: AUTOMATIC DEFECT CLASSIFICATION WITH INVARIANT CORE CLASSES

Mail Stop Petition  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**PETITION TO CORRECT INVENTORSHIP UNDER 37 C.F.R § 1.324**

Sir:

Inventors and Assignee petition the Commissioner to correct the inventorship of the above-identified patent in all appropriate records of the U.S. Patent and Trademark Office.

Please issue a certificate for the above-identified patent to add the following inventors:

Shmuel MANGAN, Eva JAGER and Ayelet PNUELI

**REMARKS**

The application that matured into this patent was originally filed in the name of Ariel Ben PORATH and Mark WAGNER. Upon review of the named inventors' contributions to the invention claimed in this patent, it has been determined through legal analysis that Shmuel MANGAN, Eva JAGER and Ayelet PNUELI should also have been named as inventors. Accordingly, this Petition is made to correct the inventorship of this patent. In support of the Petition to Correct Inventorship the following documents are enclosed:

1. Statements under 37 C.F.R §1.324(b)(1) from Shmuel MANGAN, Eva JAGER and Ayelet PNUELI, who are being added as inventors, that the inventorship error occurred without any deceptive intention on their part;
2. Statement under 37 CFR § 1.324 (b)(2) by current named inventors Ariel Ben PORATH and Mark WAGNER agreeing to the change in inventorship; and
3. Statement of Assignee APPLIED MATERIALS INC. to add Shmuel MANGAN, Eva JAGER and Ayelet PNUELI as inventors under 37 CFR § 1.324(b)(3).

The Commissioner is hereby authorized to charge the petition fee of \$ 130.00 (37 C.F.R. 1.20(b)) to Deposit Account 500417.

Applicants submit that the petition and accompanying documentation satisfies all requirements for correction of inventorship under 37 C.F.R. 1.324. An early consideration and grant of this petition, as well as a prompt issuance of a Certificate of Correction of the inventorship of the patent, are earnestly solicited.

Please charge any shortage in fees due in connection with the filing of this paper, including extension of time fees, to Deposit Account 500417 and please credit any excess fees to such deposit account.

Respectfully submitted,

McDERMOTT WILL & EMERY LLP



Michael A. Messina  
Registration No. 33,424

600 13<sup>th</sup> Street, N.W.  
Washington, DC 20005-3096  
Phone: 202.756.8000 MAM:llg  
Facsimile: 202.756.8087  
**Date: January 26, 2010**

**Please recognize our Customer No. 20277  
as our correspondence address.**

WDC99 1742901-1.049959.0013

Docket No.: 049959-0013

ASSIGNMENT

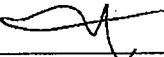
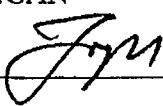
WHEREAS We, Shmuel MANGAN of 7 Paldi Street, Rehovot 765248, ISRAEL, Eva JAGER of 5 Hanavi Eliyahu Apt. #2, Ashdod 77470, ISREAL , and Ayelet PNUELI of 1 Yehuda Gur Street, Rehovot, ISRAEL, respectively, have made a certain new and useful invention as set forth in an application for United States Letters Patent, entitled AUTOMATIC DEFECT CLASSIFICATION WITH INVARIANT CORE CLASSES, for which an application for United States Letters Patent was filed on July 08, 1998, and identified by United States Application No. 09/111,454; now Patent No. 6,987,873 B1;

AND WHEREAS, APPLIED MATERIALS, INC., a corporation of the State of SANTA CLARA, CA and having an address of P.O. BOX 450-A is desirous of acquiring the entire right, title and interest in and to said invention and in and to any and all Letters Patent of the United States and foreign countries which may be obtained therefor;

NOW, THEREFORE, for good and valuable consideration, the receipt for and sufficiency of which is hereby acknowledged, We do hereby sell, assign, transfer and set over unto APPLIED MATERIALS, INC., its legal representatives, successors, and assigns, the entire right, title and interest in and to said invention as set forth in the above-mentioned application, including the right of priority and including any continuations, continuations-in-part, divisions, reissues, re-examinations or extensions thereof, and in and to any and all patents of the United States and foreign countries which may be issued for said invention;

UPON SAID CONSIDERATIONS, We hereby agree with the said assignee that We will not execute any writing or do any act whatsoever conflicting with these presents, and that We will, at any time upon request, without further or additional consideration but at the expense of said assignee, execute such additional assignments and other writings and do such additional acts as said assignee may deem necessary or desirable to perfect the assignee's enjoyment of this grant, and render all necessary assistance in making application for and obtaining original, divisional, continuations, continuations-in-part, reexamined, reissued, or extended Letters Patent of the United States or of any and all foreign countries on said invention, and in enforcing any rights or choses in action accruing as a result of such applications or patents, by giving testimony in any proceedings or transactions involving such applications or patents, and by executing preliminary statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of the assigns and legal representatives of assignor and assignee;

AND We request the Commissioner for Patents and Trademarks to issue any Letters Patent of the United States which may be issued for said invention to said APPLIED MATERIALS, INC., its legal representatives, successors or assigns, as the sole owner of the entire right, title and interest in and to said patent and the invention covered thereby.

<u>29/10/2009</u>	
Date	Shmuel MANGAN
<u>29. 10. 2009.</u>	
Date	Eva JAGER

29/10/2009

Date

Ayelet PNUELI

Ayelet PNUELI

Signature Witness:

COUNTY OF ISRAEL

On this 29 day of October, 2009, before me, the undersigned attorney, personally appeared Shmuel MANGAN, proved to me through satisfactory evidence of identification, which consisted of Driver's license 60 35291, to be the person whose name is signed on the preceding or attached document in my presence.

Name: Assaf Tuval

Registration Number:

Attorney, registered with the Israel Bar Association

*אסף טובול, עורך*

Signature: 26765.7.0

Signature Witness:

COUNTY OF ISRAEL

On this 29 day of October, 2009, before me, the undersigned attorney, personally appeared Eva JAGER, proved to me through satisfactory evidence of identification, which consisted of ID 015 849 46, to be the person whose name is signed on the preceding or attached document in my presence.

Name: Assaf Tuval

Registration Number:

Attorney, registered with the Israel Bar Association

*אסף טובול, עורך*

Signature: 26765.7.0

Signature Witness:

COUNTY OF ISRAEL

On this 29 day of October, 2009, before me, the undersigned attorney, personally appeared Ayelet PNUELI, proved to me through satisfactory evidence of identification, which consisted of Driver's license 60 35291, to be the person whose name is signed on the preceding or attached document in my presence.

Name: Assaf Tuval

Registration Number:

Attorney, registered with the Israel Bar Association

*אסף טובול, עורך*

Signature: 26765.7.0

Docket No.: 049959-0013

PATENT

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Patent No.: US 6,987,873 B1 :  
Date of Patent: January 17, 2006 :  
For: AUTOMATIC DEFECT CLASSIFICATION WITH INVARIANT CORE CLASSES

**STATEMENT OF ADDED INVENTOR UNDER 35 CFR 1.324(b)(1)**

I, AYELET PNUELI, hereby affirm that I am a joint inventor of the above-referenced patent and that the error in inventorship occurred without deceptive intention on my part.

Ayelet Pnueli  
AYELET PNUELI

29/10/2009  
Date

Docket No.: 049959-0013

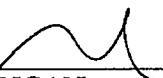
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**STATEMENT OF ADDED INVENTOR UNDER 35 CFR 1.324(b)(1)**

I, SHMUEL MANGAN, hereby affirm that I am a joint inventor of the above-referenced patent and that the error in inventorship occurred without deceptive intention on my part.

  
SHMUEL MANGAN

26/10/2009  
Date

Docket No.: 049959-0013

PATENT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

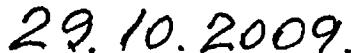
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**STATEMENT OF ADDED INVENTOR UNDER 35 CFR 1.324(b)(1)**

I, EVA JAGER, hereby affirm that I am a joint inventor of the above-referenced patent and that the error in inventorship occurred without deceptive intention on my part.

  
\_\_\_\_\_  
EVA JAGER

  
\_\_\_\_\_  
Date

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**STATEMENT OF CURRENT INVENTOR UNDER 35 CFR 1.324(b)(2)**

I, Mark Wagner, hereby agree that Shmuel MANGAN, Eva JAGER and Ayelet PNUELI should be added as inventors of the above-referenced patent.

Mark Wagner

Mark WAGNER

27.10.09

Date

Docket No.: 049959-0013

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**STATEMENT OF CURRENT INVENTOR UNDER 35 CFR 1.324(b)(2)**

I, Ariel Ben PORATH, hereby agree that Shmuel MANGAN, Eva JAGER and Ayelet PNUELI should be added as inventors of the above-referenced patent.



Ariel Ben PORATH



Date

Docket No.: 049959-0013

PATENT

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**STATEMENT OF ASSIGNEE TO ADD SHMUEL MANGAN, EVA JAGER AND**  
**AYELET PNUELI AS INVENTORS UNDER 37 CFR § 1.324(b)(3)**

Mail Stop Petition  
Commissioner for Patents  
Washington, DC 20231

Sir:

APPLIED MATERIALS, INC., of P.O. Box 450-A, Santa Clara, CA 95052, is the Assignee of entire right, title, and interest in the above-referenced patent, and agrees to the change of inventorship to add Shmuel MANGAN, Eva JAGER and Ayelet PNUELI as inventors.

A copy of an executed Assignment by inventors Shmuel MANGAN, Eva JAGER and Ayelet PNUELI to be added is attached hereto, and is concurrently being submitted for recordation pursuant to 37 C.F.R. §3.11.

A copy of an executed Assignment by the currently named inventors is also attached hereto. This document was previously recorded on August 17, 1998, Reel 009390 and Frame 0367

ASSIGNEE CERTIFICATION

In accordance with 37 CFR 3.73, the assignee hereby certifies that the evidentiary documents with respect to its ownership have been reviewed and that, to the best of the assignee's knowledge and belief, title is in the assignee seeking to take this action.

Signature

המילוי מטריאלים ישראלי בע"מ  
(type or print name and title)  APPLIED MATERIALS, INC. authorized to sign on behalf of assignee) 511166373 .9.5

Date: 18 Jan 2010